

IN THE SPECIFICATION

Please replace the paragraph beginning at page 6, line 20, with the following rewritten paragraph:

FIG. 19(b) is an enlarged view of a portion of the component of FIG. 19(ba).

Please replace the paragraph beginning at page 12, line 1, as amended by preliminary amendment dated August 7, 2003, with the following rewritten paragraph:

Thus, a portion of the band 11 is removed by the formation of the external opposition fingers 20. Further material is removed from the band 11 by a series of substantially axial cuts to create internal struts 14 at the opposite axial end from the cuts made to form internal opposition fingers 18 and engagement members 16. Thus, band portion 11 has a substantially "zigzag" configuration for coaxial mounting with respect to the tubular graft portion, including struts 14 and intermediate strap portions 19 defined between each set of internal struts 14. The combination of the resiliency of the component material, axial cuts, "U"-shaped cuts, and apertures 22 allows radial contraction and expansion of the diameter 24 of band 11, and therefore of component 10, during delivery and deployment, as will be described in greater detail below.

Please replace the paragraph beginning at page 22, line 20, as amended by preliminary amendment dated August 7, 2003, with the following rewritten paragraph:

A further alternative embodiment of the subject invention is illustrated in FIGS. 18(a) and 18(b). In plan view, the

machined section of connector 10d (FIG. 18(a)) is substantially similar to the section of connector 10b (FIG. 16(a)). However, external opposition finger 20d extends from an external support strut 26d. As illustrated in FIG. 18(b), the graft 30 is positioned between internal struts 14d and external struts 26d, and engagement members 16d are used to secure the graft 30 to connector 10d in a radially flared configuration. The connector 10d is held in place in body conduit 90 by internal opposition fingers 18d and external opposition fingers 20d. External opposition finger 20d has a flared configuration and conforms to the flared configuration of the body conduit opening. Connector 10d may be installed using apparatus such as instrument 50 substantially as described above with respect to FIGS. 8 and 9. More particularly, internal opposition fingers 18d may be deflected into a flattened position by collar 68 of distal tip 54, and internal opposition fingers 20d deflected by outer sheath 64. Additional structure in apparatus 50 may be provided to cooperate with deployment loops 24d as described ~~illustrated~~ in FIG. 18(a) above.

Please replace the paragraph beginning at page 23, line 9, with the following rewritten paragraph:

FIGS. 19(a), 19(b) and 19(c) illustrate an alternative embodiment in accordance with the subject invention. As the planar representation of FIG. 19(a) shows, connector 10e is provided with two sets of substantially "U"-shaped fingers, ~~radial expansion members, or~~ radial expansion members 82e and outer opposition fingers 84e. Each radial expansion member 82e is positioned with respect to an adjacent outer opposition finger 84e such that their respective end portions are joined at common locations, which form internal opposition fingers 86e, spaced apart by spacing 87e. This spacing 87e, in conjunction

with the resilient characteristics of the material, permits the connector 10e to radially expand and contract, as will be described in greater detail below. In the preferred embodiment, radial expansion members 82e are smaller than outer opposition fingers 84e, although it is contemplated that radial expansion members 82e may be the same size or larger than outer opposition fingers 84e. At the vertex of each radial expansion member 82e is an engagement member 88e, which is configured to secure the graft conduit to the connector 10e. As illustrated in greater detail in FIG. 19(b), engagement member 88e has a sharpened tip 89e for piercing the tissue of the graft conduit. The pierced tissue is subsequently advanced past the tip 89e to a narrower neck portion 90e, positioned between shoulder portions 91e and 92e. Once the graft tissue has been positioned with respect to the neck portion 90e, the shoulder portions 91e and 92e prevent the tissue from slipping with respect to the engagement member 88e. Shoulder portion 92e inhibits the tissue from sliding off of engagement member 88e, whereas shoulder portion 91e inhibits the engagement member 88e from penetrating the tissue too deeply.

Please replace the paragraph beginning at page 26, line 31 and ending at page 27, line 18, as amended by preliminary amendment dated August 7, 2003, with the following rewritten paragraph:

FIGS. 23(a) and 23(b) illustrate another embodiment of the subject invention. As for the connectors depicted in FIGS. 21-22 above, connector 10i is provided with a band section 80i including a plurality of loops 82i joined at respective corners and defining apertures 84i therein. Internal opposition fingers 86i and external opposition fingers 88i are substantially "U" shaped and have a pair of end portions. Internal opposition

fingers 86i extend from the distal side of band section 80i. Likewise, external opposition fingers 88i extend from the proximal side of band section 80i. FIG. 23(b) illustrates the graft positioned inside connector 10i. The connector 10i is formed such that internal opposition fingers 88i86i form a flared configuration. The end portion of the graft is substantially expanded to assume this flared configuration and maintained in position by evertting the end portion over the internal opposition fingers 86i without necessarily piercing the graft material or tissue. Thus, opposition fingers 86i may be provided withatraumatic tips. Internal 86i and external opposition fingers 88i are formed in the "U"-shaped configuration to grip the tissue of the body conduit 90 therebetween.

Please replace the paragraph beginning at page 33, line 3, as amended by preliminary amendment dated August 7, 2003, with the following rewritten paragraph:

As illustrated in FIG. 35, inner rod 152 has an outer diameter smaller than the nominal diameter 124 of connector 100 (See, FIG. 33). Connector 100 is fitted around inner rod 152 and compressed. Fingers 114 are fitted underneath circumferential flange 168 of distal tip portion 154 and deflected towards parallelism with the longitudinal axis to a flattened distally-extending configuration. Likewise, internal opposition fingers 118 are slightly flattened to a proximally-extending configuration also toward parallelism with the longitudinal axis. Engagement members 116 extend radially outward and engage the graft conduit 130 which is positioned at the distal end portion of inner rod 152. Engagement members 116 may alternatively be similar to engagement members 88e (See, FIGS. 19(a)-19(c)), and have a narrow neck portion disposed

between a pair of shoulder portions to improve securement of the graft conduit. (As FIGS. 34-36 illustrate, it is contemplated that the procedure according to the invention may be conducted through an aperture in conduit 90 without the use of a catheter 190.) Apparatus 150 is advanced along body conduit 90 until connector 100 is positioned at the aperture of body conduit 90 as shown, with radial expansion members 114 extending outside conduit 90 and internal opposition fingers 118 positioned within conduit 90.

Please replace the paragraph beginning at page 34, line 24, with the following rewritten paragraph:

As with apparatus 150 illustrated in FIGS. 34-37 above, apparatus 250 may be deployed from the lumen of a catheter 290 or other tube which has passed through an aperture in body conduit 90 from internally to the outside of the conduit. (It is also contemplated that apparatus 250 may be deployed from an aperture in a body conduit without the use of a separate catheter.)